

## Refine Search

### Search Results -

Terms	Documents
L3 and coil	10

**Database:**

US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**

L5

Refine Search

Recall Text    Clear    Interrupt

### Search History

**DATE:** Monday, December 17, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L5</u>	L3 and coil	10	<u>L5</u>
<u>L4</u>	L3 with modulat\$	6	<u>L4</u>
<u>L3</u>	L2 with (calculat\$ or estimat\$)	146	<u>L3</u>
<u>L2</u>	L1 with signal	2438	<u>L2</u>
<u>L1</u>	average adj current	16456	<u>L1</u>

END OF SEARCH HISTORY


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) |

Welcome United States Patent and Trademark Office

 Advanced Search[BROWSE](#)[SEARCH](#)[IEEE XPOLE GUIDE](#)**OPTION 1**

Enter keywords or phrases, select fields, and select operators

in All Fields






in All Fields






in All Fields



Help

## » Publications

 Select publications IEEE Periodicals IET Periodicals IEEE Conference IET Conference P IEEE Standards

» Note: If you use all three search boxes, the entries in the first two boxes take precedence over the entry in the third box.

**OPTION 2**

Enter keywords, phrases, or a Boolean expression

Help

```
average <phrase> current <and> signal
<and> calculating
```



» Note: You may use the search operators <and> or <or> without the start and end brackets <>.

» Learn more about [Field Codes](#), [Search Examples](#), and [Search Operators](#)

## » Other Resources (Available)

 IEEE Books Educational Courses

## » Standard Status

(Applies to IEEE Standards)

Status 

## » Select date range

 Search latest content From year  All to  Present 

## » Display Format

 Citation Citatic

## » Organize results

Maximum  100 Display  25  resSort by  RelevanceIn  Descending [Help](#) [Contact Us](#)

© Copyright 2007 IEEE

Indexed by  
 Inspec

## Refine Search

### Search Results -

Terms	Documents
L7 and calculat\$	2

**Database:** US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:** L8

Refine Search

Recall Text Clear Interrupt

### Search History

**DATE:** Monday, December 17, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L8</u>	L7 and calculat\$	2	<u>L8</u>
<u>L7</u>	L6 and modulat\$	2	<u>L7</u>
<u>L6</u>	L5 and average and current	10	<u>L6</u>
<u>L5</u>	L3 and coil	10	<u>L5</u>
<u>L4</u>	L3 with modulat\$	6	<u>L4</u>
<u>L3</u>	L2 with (calculat\$ or estimat\$)	146	<u>L3</u>
<u>L2</u>	L1 with signal	2438	<u>L2</u>
<u>L1</u>	average adj current	16456	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

First Hit	Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS					

### Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 6455820 B2

L8: Entry 1 of 2

File: USPT

Sep 24, 2002

US-PAT-NO: 6455820

DOCUMENT-IDENTIFIER: US 6455820 B2

TITLE: Method and apparatus for detecting a dry fire condition in a water heater

DATE-ISSUED: September 24, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bradenbaugh; Kenneth A.	Concord	OH	44077	

US-CL-CURRENT: 219/481; 219/483, 219/486, 323/235, 374/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

2. Document ID: US 4656402 A

L8: Entry 2 of 2

File: USPT

Apr 7, 1987

US-PAT-NO: 4656402

DOCUMENT-IDENTIFIER: US 4656402 A

TITLE: Electric motor control apparatus

DATE-ISSUED: April 7, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nishikawa; Takayoshi	Chiryu			JP

US-CL-CURRENT: 388/811; 388/907.5, 388/921

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMNC	Drawn D
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	---------

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
-------	---------------------	-------	----------	-----------	---------------

Terms	Documents
L7 and calculat\$	2

**Display Format:** [-] [Change Format](#)

[Previous Page](#)    [Next Page](#)    [Go to Doc#](#)


[Home](#) | [Login](#) | [Logout](#) | [Access Information](#) | [Alerts](#) | [Purchase History](#) |

Welcome United States Patent and Trademark Office

 **Search Results****BROWSE****SEARCH****IEEE XPLORE GUIDE**

Results for "((average &lt;phrase&gt; current &lt;and&gt; signal &lt;and&gt; calculating)&lt;in&gt;metadata)"

Your search matched **4** of **1705618** documents.A maximum of **100** results are displayed, **25** to a page, sorted by **Relevance** in **Descending** order.**Modify Search**

((average &lt;phrase&gt; current &lt;and&gt; signal &lt;and&gt; calculating)&lt;in&gt;metadata)

**Search** Check to search only within this results setDisplay Format:  Citation  Citation & Abstract» **Search Options**[View Session History](#)[New Search](#)[IEEE/IET](#)[Books](#)[Educational Courses](#)[A](#)**IEEE/IET journals, transactions, letters, magazines, conference proceedings, and**[view selected items](#)[Select All](#) [Deselect All](#)» **Key**

<b>IEEE JNL</b>	IEEE Journal or Magazine
<b>IET JNL</b>	IET Journal or Magazine
<b>IEEE CNF</b>	IEEE Conference Proceeding
<b>IET CNF</b>	IET Conference Proceeding
<b>IEEE STD</b>	IEEE Standard

1. **CMOS outlier rejection circuit**  
Vlassis, S.; Siskos, S.;  
*Circuits and Systems I: Fundamental Theory and Applications, IEEE Transactions on*  
*Circuits and Systems I: Regular Papers, IEEE Transactions on*  
Volume 48, Issue 7, July 2001 Page(s):910 - 914  
Digital Object Identifier 10.1109/81.933335  
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(180 KB\)](#) [IEEE JNL](#)  
[Rights and Permissions](#)
2. **CMOS outlier rejection circuit**  
Vlassis, S.; Siskos, S.;  
*Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE Symposium on*  
Volume 5, 28-31 May 2000 Page(s):729 - 732 vol.5  
Digital Object Identifier 10.1109/ISCAS.2000.857605  
[AbstractPlus](#) | [Full Text: PDF\(268 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)
3. **Static electromigration analysis for signal interconnects**  
Chanhee Oh; Blaauw, D.; Becer, M.; Zolotov, V.; Panda, R.; Dasgupta, A.;  
*Quality Electronic Design, 2003. Proceedings. Fourth International Symposium on*  
24-26 March 2003 Page(s):377 - 382  
Digital Object Identifier 10.1109/ISQED.2003.1194762  
[AbstractPlus](#) | [Full Text: PDF\(336 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)
4. **A new duty cycle parallel control method and FPGA implementation for power factor correction (PFC)**  
Zhang, W.; Feng, G.; Liu, Y.-F.; Wu, B.;  
*Applied Power Electronics Conference and Exposition, 2005. APEC 2005. Twenty*  
Volume 2, 6-10 March 2005 Page(s):805 - 811 Vol. 2  
Digital Object Identifier 10.1109/APEC.2005.1453072  
[AbstractPlus](#) | [Full Text: PDF\(1033 KB\)](#) [IEEE CNF](#)  
[Rights and Permissions](#)